SGS-CSTC Standards Technical Services Co., Ltd.

198 Kezhu Road, Scientech Park, Guangzhou Economic & Technological Development District, Guangzhou, China 510663
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TEST REPORT

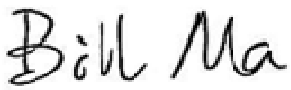
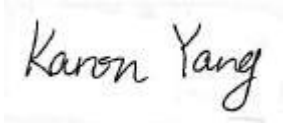
Application No.:	GZEM1410005266CR
Applicant:	ALT PARTNERS/BABYMOOV
Manufacturer:	The same as applicant
FCC ID:	2ACYNA014202
Product Name:	Premium Care II
Product Description:	Radio digital baby monitor with 915MHz as carrier
Model No.:	A014202, BC-63 ♣
♣	Please refer to section 3 of this report for further details.
Standards:	CFR 47 FCC PART 15 SUBPART C:2013 section 15.249
Date of Receipt:	2014-10-13
Date of Test:	2014-10-17 to 2014-11-27
Date of Issue:	2015-01-09
Test Result :	Pass*

*In the configuration tested, the EUT complied with the standards specified above.

Jerry Chan
Manager

2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00		2015-01-09		Original

Authorized for issue by:				
Tested By		 **(Bill Ma) / Project Engineer**		2014-10-17 to 2014-11-27 **Date**
Prepared By		 **(Karon Yang) / Clerk**		2014-12-02 **Date**
Checked By		 **(Jerry Chan) / Reviewer**		2014-12-17 **Date**

3 Test Summary

Test	Test Requirement	Test method	Result
Field Strength of Fundamental	FCC PART 15 C section 15.249 (a)	ANSI C63.10: Clause 6.6	PASS
Field Strength of Unwanted Emissions	FCC PART 15 C section 15.249 (a) section 15.249 (d)	ANSI C63.10: Clause 6.4, 6.6 and 6.7	PASS
Band Edges	FCC PART 15 C section 15.249 (d)	ANSI C63.10: Clause 6.9.2	PASS
Occupied Bandwidth	FCC PART 15 C section 15.215(c)	ANSI C63.10: Clause 6.9.1	PASS
Conducted Emissions at Mains Terminals	FCC PART 15 C section 15.207	ANSI C63.10: Clause 6.2	PASS

Remark:

EUT: In this whole report EUT means Equipment Under Test.

N/A: not applicable. Refer to the relative section for the details.

EUT: In this whole report EUT means Equipment Under Test.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radio Frequency.

ANSI C63.10: the detail version is ANSI C63.10:2009 in the whole report.

DA 00-705: “Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems”

♣ **Model No.:** A014202, BC-63

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference being the outer color and model no..

Therefore only one model **A014202** was tested in this report.

** The EUT passed Spurious Emissions test after retest.

4 Contents

5 General Information

5.1 Client Information

Applicant:	ALT PARTNERS/BABYMOOV
Address of Applicant:	Parc industriel des Gravanches-16 rue Jacqueline AURIOL-63051 Clermont-Ferrand Cedex2
Manufacturer:	The same as applicant
Address of Manufacturer:	The same as applicant

5.2 General Description of E.U.T.

Product Name:	Premium Care II
Model No.:	A014202

5.3 Details of E.U.T.

Operating Frequency	915.8 MHz to 927 MHz
Type of Modulation:	GFSK
Number of Channels	57 Channels
Channel Separation:	0.2 MHz
Dwell time	Per channel is less than 0.4s.
Antenna Type	Integral
Antenna gain:	0 dBi
Function:	Radio baby monitor with audio function to transmit and receive radio signal
Power Supply:	DC 3.7V 800mA internal rechargeable battery for mother unit (Black) DC 4.5V= 3 x 1.5V size ”AAA” batteries for baby unit (White) AC 100-240V 50/60Hz 0.1A Max for adaptor
Normal Test Voltage:	The same as power supply
Adapter details	Model: SWP-27257-00 Input: AC 100-240V 50/60Hz 0.1A Max. Output: DC 5.0V 600mA
Power cord:	1.5m x2 wire unscreened DC input cable.

5.4 Description of Support Units

The EUT has been test as an independent unit.

5.5 Other Information Requested by the Customer

None.

5.6 Deviation from Standards

Biconical and log periodic antennas were used instead of dipole antennas.

5.7 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory,
198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District,
Guangzhou, China 510663
Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **NVLAP (Lab Code: 200611-0)**

  SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

  The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **ACMA**

  SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our NVLAP accreditation.

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

  Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **CNAS (Lab Code: L0167)**

  SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

- **FCC (Registration No.: 282399)**

  SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 282399, May 31, 2002.

- **Industry Canada (Registration No.: 4620B-1)**

  The 3m/10m Alternate Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Certification and Engineering of Industry Canada for radio equipment testing with Registration No. 4620B-1.

- **VCCI (Registration No.: R-2460, C-2584, G-449 and T-1179)**

  The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co. Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2460, C-2584，G-449 and T-1179 respectively.

- **CBTL (Lab Code: TL129)**

  SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2005, the Basic Rules, IECEE 01:2006-10 and Rules of procedure IECEE 02:2006-10, and the relevant IECEE CB-Scheme Operational documents.

6 Equipment Used during Test

RE in Chamber						
No.	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. date (YYYY-MM-DD)	Cal.Due date (YYYY-MM-DD)
EMC0525	Compact Semi-Anechoic Chamber	ChangZhou ZhongYu	N/A	N/A	2014-12-5	2015-12-5
EMC0522	EMI Test Receiver	Rohde & Schwarz	ESIB26	100283	2014-04-19	2015-04-19
EMC0056	EMI Test Receiver	Rohde & Schwarz	ESCI	100236	2014-03-03	2015-03-03
EMC0528	RI High frequency Cable	SGS	20 m	N/A	2014-05-09	2015-05-09
EMC2025	Trilog Broadband Antenna 30-1000MHz	SCHWARZBECK MESS-ELEKTRONIK	VULB 9160	9160-3372	2014-07-14	2017-07-14
EMC0524	Bi-log Type Antenna	Schaffner -Chase	CBL6112B	2966	2013-08-31	2016-08-31
EMC0519	Bilog Type Antenna	Schaffner -Chase	CBL6143	5070	2014-05-04	2017-05-04
EMC2026	Horn Antenna 1-18GHz	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	9120D-841	2013-08-31	2016-08-31
EMC0518	Horn Antenna	Rohde & Schwarz	HF906	100096	2012-07-01	2015-07-01
EMC0521	1-26.5 GHz Pre-Amplifier	Agilent	8449B	3008A01649	2014-03-03	2015-03-03
EMC2065	Amplifier	HP	8447F	N/A	2014-08-25	2015-08-25
EMC0075	310N Amplifier	Sonama	310N	272683	2014-03-03	2015-03-03
EMC0523	Active Loop Antenna	EMCO	6502	42963	2014-03-03	2016-03-03
EMC2041	Broad-Band Horn Antenna (14)15-26.5(40)GHz	SCHWARZBECK MESS-ELEKTRONI	BBHA 9170	9170-375	2014-05-26	2017-05-26
EMC2079	High Pass Filter(915MHz)	FSY MICROWAVE	HM1465-9SS	009	2014-03-28	2015-03-28
EMC2069	2.4GHz filter	Micro-Tronics	BRM 50702	149	2014-04-19	2015-04-19
EMC0530	10m Semi-Anechoic Chamber	ETS	N/A	N/A	2014-05-03	2016-05-03

General used equipment						
No.	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. date (YYYY-MM-DD)	Cal.Due date (YYYY-MM-DD)
EMC0006	DMM	Fluke	73	70681569	2014-09-15	2015-09-15
EMC0007	DMM	Fluke	73	70671122	2014-09-15	2015-09-15

7 Test Results

7.1 E.U.T. Operation

Test Voltage: DC 5.0V by USB Port of PC

Temperature: 20.0 -25.0 °C

Humidity: 38-50 % RH

Atmospheric Pressure: 1000 -1010 mbar

Test frequencies and frequency range: According to the 15.31(m) Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and, if required, reported for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table:

According to the 15.33 (a) For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in the following table:

Number of fundamental frequencies to be tested in EUT transmit band

Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
1 MHz or less	1	Middle
1 MHz to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle and 1 near bottom

Frequency range of radiated emission measurements

Lowest frequency generated in the device	Upper frequency range of measurement
9 kHz to below 10 GHz	10th harmonic of highest fundamental frequency or to 40 GHz, whichever is lower
At or above 10 GHz to below 30 GHz	5th harmonic of highest fundamental frequency or to 100 GHz, whichever is lower
At or above 30 GHz	5th harmonic of highest fundamental frequency or to 200 GHz, whichever is lower, unless otherwise specified

EUT channels and frequencies list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	915.800	27	921.200	54	926.600
1	916.000	28	921.400	55	926.800
2	916.200	29	921.600	56	927.000
3	916.400	30	921.800		
4	916.600	31	922.000		
5	916.800	32	922.200		
6	917.000	33	922.400		
7	917.200	34	922.600		
8	917.400	35	922.800		
9	917.600	36	923.000		
10	917.800	37	923.200		
11	918.000	38	923.400		
12	918.200	39	923.600		
13	918.400	40	923.800		
14	918.600	41	924.000		
15	918.800	42	924.200		
16	919.000	43	924.400		
17	919.200	44	924.600		
18	919.400	45	924.800		
19	919.600	46	925.000		
20	919.800	47	925.200		
21	920.000	48	925.400		
22	920.200	49	925.600		
23	920.400	50	925.800		
24	920.600	51	926.000		
25	920.800	52	926.200		
26	921.000	53	926.400		

Test frequencies are the lowest channel: 0 channel(915.800 MHz), middle channel: 28 channel(921.400 MHz) and highest channel: 56 channel(927.000 MHz)

7.2 Antenna Requirement

Standard requirement

15.203 requirement:

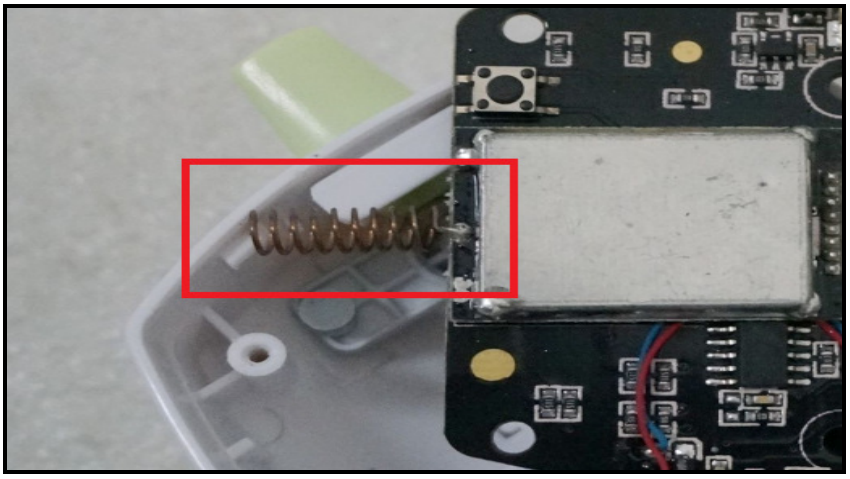
For intentional device. According to 15.203. an intentional radiator shall be designed to

Ensure that no antenna other than that furnished by the responsible party shall be used with the device.

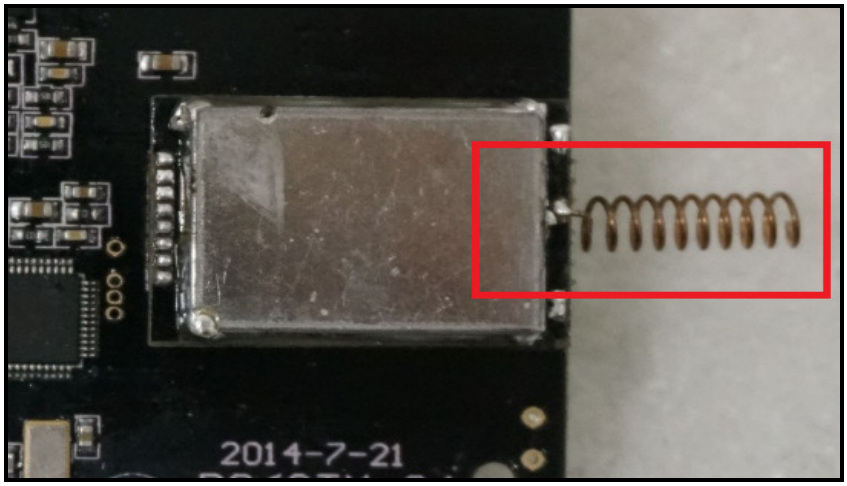
EUT Antenna

The antennas are integrated on the main PCB and no consideration of replacement. The best case gain of the antennas is 0dBi.

For MOTHER UNIT:



For BABY UNIT:



Test result: The unit does meet the FCC requirements.

7.3 Field Strength of Fundamental& Field Strength of Unwanted Emissions& Band Edge

Test Requirement: FCC Part15 C section 15.249

(a) Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (dBμV/m @ 3m)	Field Strength of Harmonics (dBμV/m @ 3m)
902 to 928	94.0	54.0
2400 to 2483.5	94.0	54.0
5725 to 5875	94.0	54.0
24000 to 24250	108.0	68.0

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Limits: The fundamental frequency rang is in the frequency band of the EUT is 902 MHz ~ 928 MHz.

The limit for QP field strength dBμV/m for the fundamental frequency = 94.0 dBμV/m.

No fundamental is allowed in the restricted bands.

The limit for QP field strength dBμV/m for the harmonics = 54.0 dBμV/m.

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or 54.0 dBμV/m in 15.209. Here the limit for the other emission is 54.0 dBμV/m.

Test Method: ANSI C63.10: Clause 6.4, 6.6 and 6.7 for Field Strength of Fundamental& Field Strength of Unwanted Emissions

ANSI C63.10: Clause 6.9.2 for Band Edge

Status: Pre-test the EUT in continuous transmitting mode with setup as stand-alone in X, Y, Z threes axes, found the worst case is X axes and report the data.

Measurement Distance: 3m (Semi-Anechoic Chamber)

Frequency range: 9 kHz – 10 GHz for transmitting mode.

Test instrumentation resolution bandwidth
9 kHz (9 kHz - 30 MHz), 120 kHz (30 MHz - 1000 MHz), 1 MHz (1000 MHz – 10 GHz)

Test Procedure:

1)9 kHz to 30 MHz emissions:

For testing performed with the loop antenna, testing was performed in accordance to ANSI C63.10. The centre of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT, During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane.

2)30 MHz to 1 GHz emissions:

For testing performed with the bi-log type antenna, testing was performed in accordance to ANSI C63.10. The measurement is performed with the EUT rotated 360º, the antenna height scanned between 1m and 4m, and the antenna rotated to repeat the measurement for both the horizontal and vertical antenna polarizations.

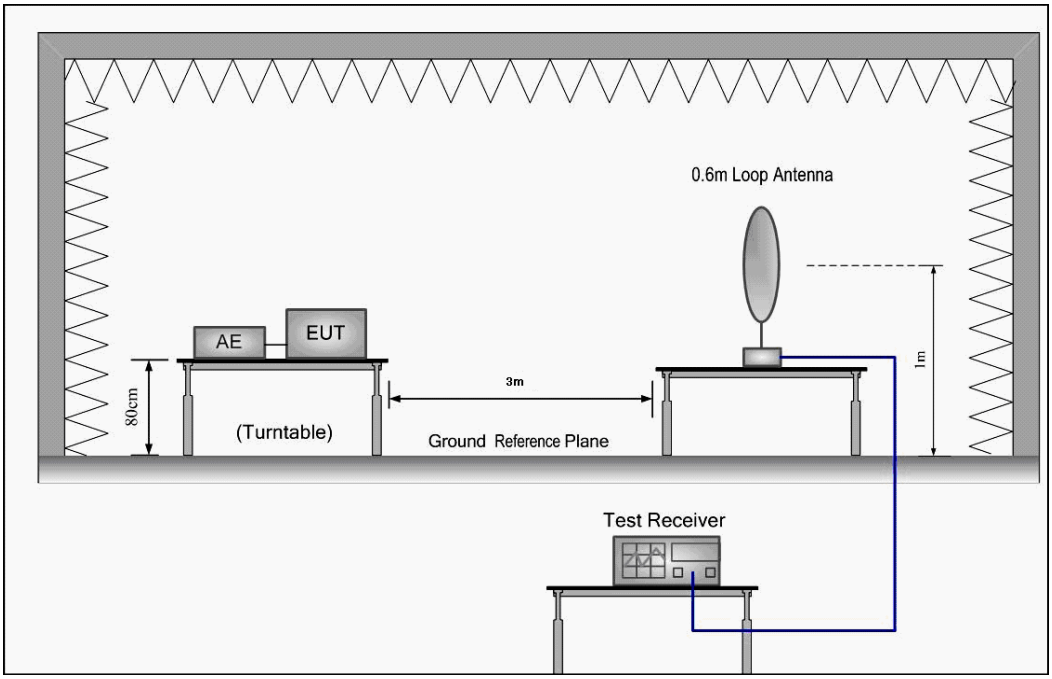
3)1 GHz to 10 GHz emissions:

Test site with RF absorbing material covering the ground plane that met the site validation criterion called out in CISPR 16-1-4:2007 was used to perform radiated emission test above 1 GHz.

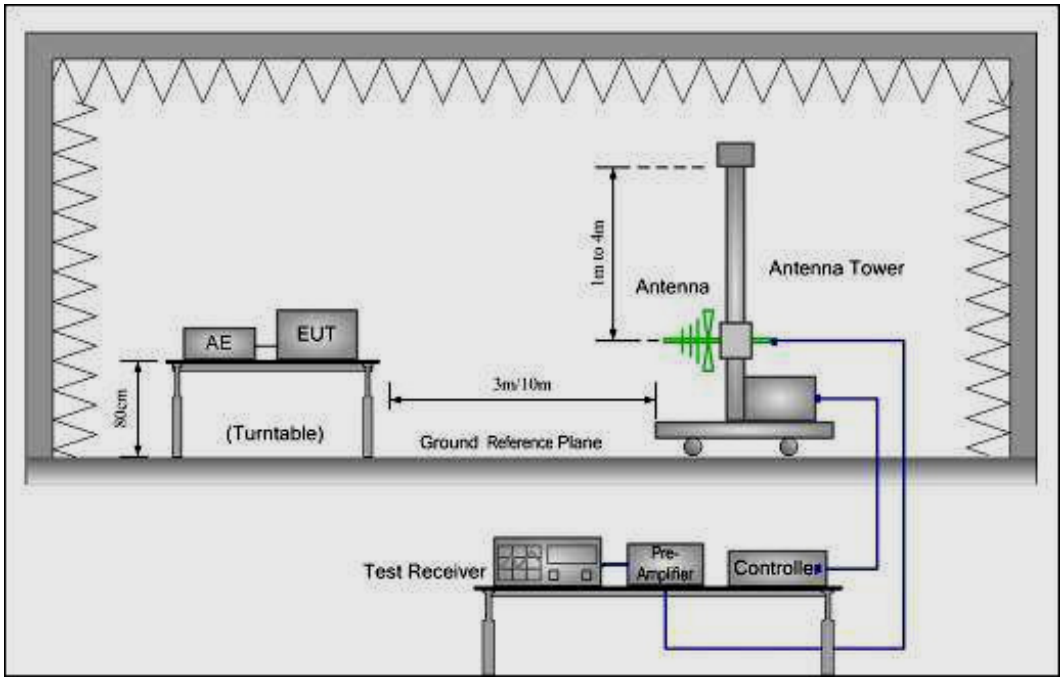
For testing performed with the horn antenna, testing was performed in accordance to ANSI C63.10. The measurement is performed with the EUT rotated 360º, the antenna height scan between 1m and 4m, and the antenna rotated to repeat the measurement for both the horizontal and vertical antenna polarizations.

Test Configuration:

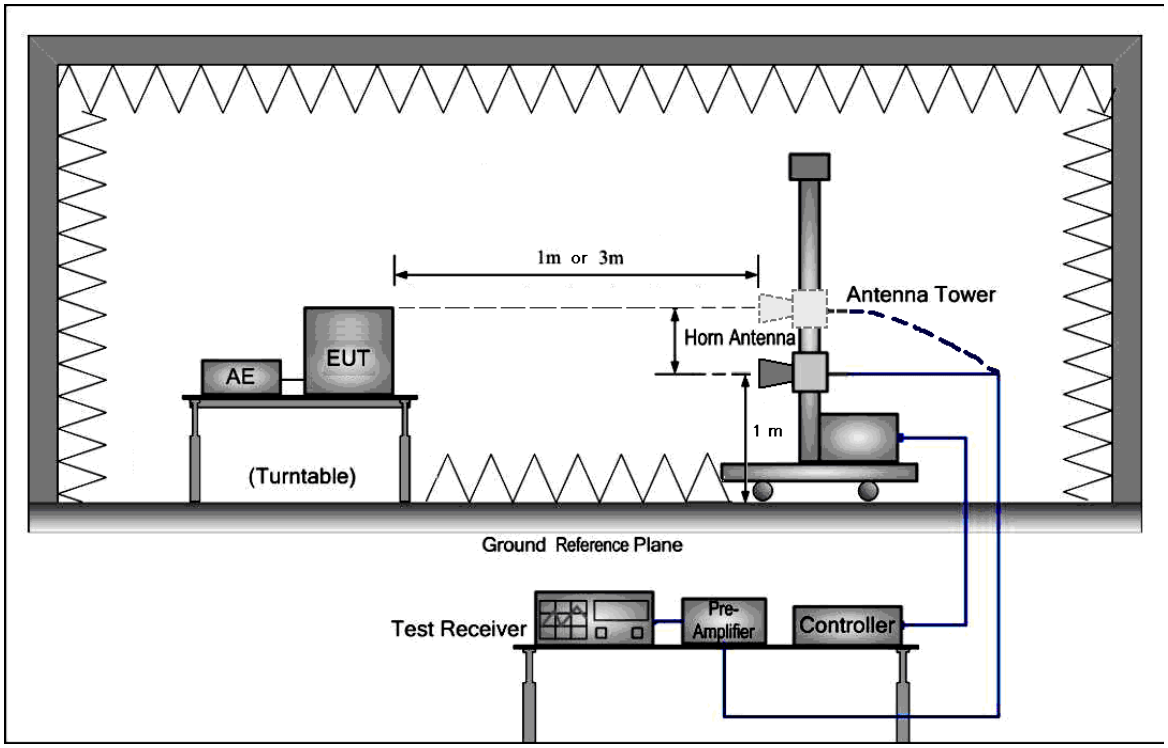
1) 9 kHz to 30 MHz emissions:



2) 30 MHz to 1 GHz emissions:



3) 1 GHz to 10 GHz emissions:



The field strength is calculated by adding the Antenna Factor, Cable Loss & Per-amplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Loss – Preamplifier Factor

Test MOTHER UNIT in the frequency 915.8MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

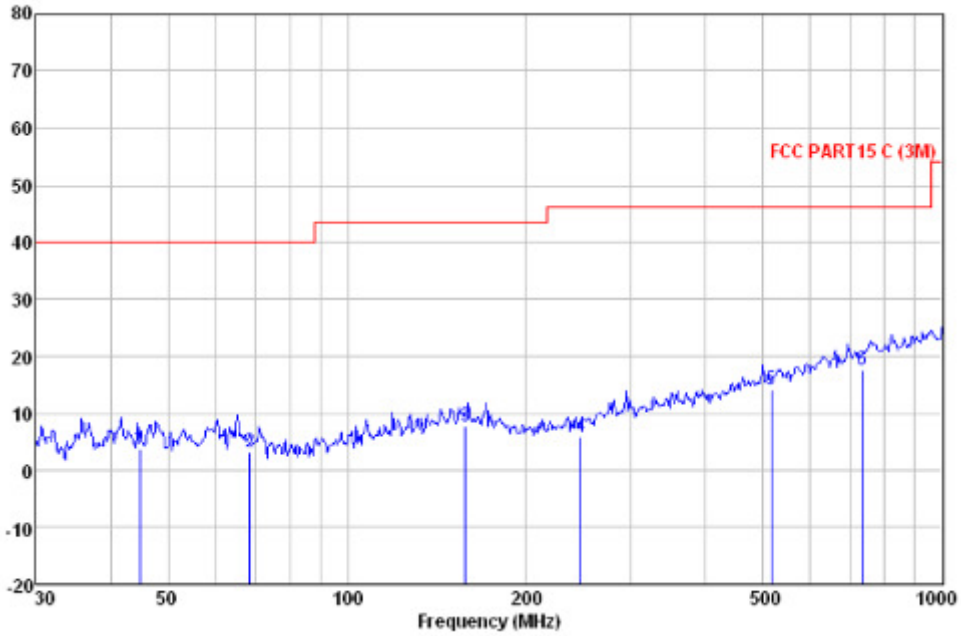
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
44.743	21.03	12.75	1.04	31.00	3.82	40.00	-36.18	QP
68.631	21.64	11.31	1.19	31.00	3.14	40.00	-36.86	QP
158.112	23.08	13.88	1.73	31.07	7.62	43.50	-35.88	QP
246.815	22.86	11.86	2.12	31.04	5.80	46.00	-40.20	QP
515.437	24.73	17.28	3.11	30.98	14.14	46.00	-31.86	QP
734.491	24.00	20.87	3.57	30.90	17.54	46.00	-28.46	QP

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

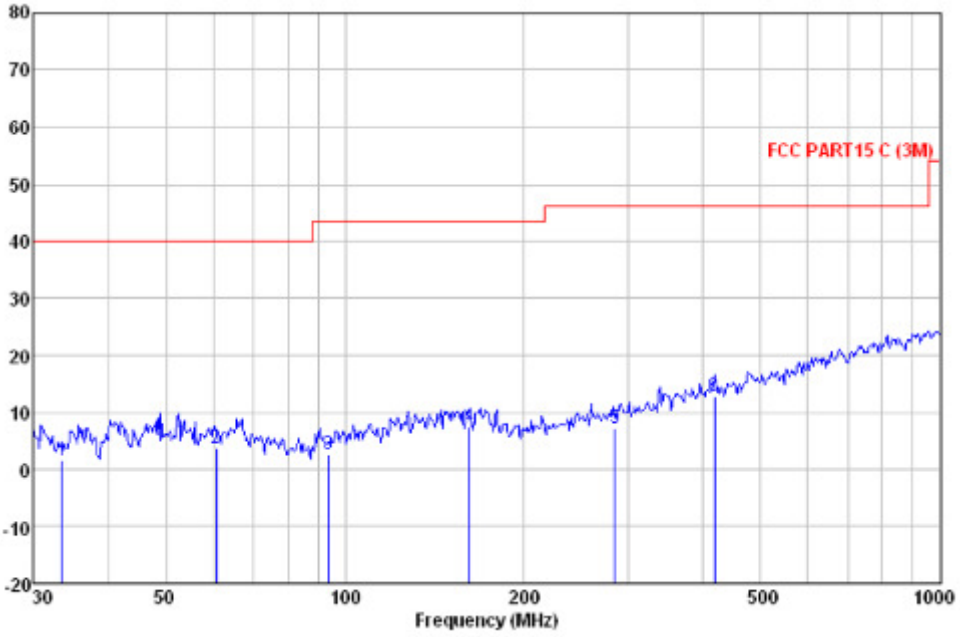
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
33.445	19.43	12.28	0.88	31.01	1.58	40.00	-38.42	QP
60.704	21.04	12.64	1.11	31.00	3.79	40.00	-36.21	QP
93.768	22.56	9.66	1.34	31.00	2.56	43.50	-40.94	QP
161.474	22.89	13.80	1.76	31.08	7.37	43.50	-36.13	QP
283.979	22.96	12.89	2.36	31.01	7.20	46.00	-38.80	QP
417.641	25.23	15.67	2.83	30.92	12.81	46.00	-33.19	QP

30 MHz~1 GHz Field Strength of Fundamental

Quasi-Peak Measurement

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
915.80	22.83	4.02	30.88	74.75	70.72	94.00	H
915.80	22.83	4.02	30.88	90.28	86.25	94.00	V

1~10 GHz Field Strength of Unwanted Emissions.

Peak & Average Measurement

Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1831.60	25.42	7.23	38.22	50.44	44.87	74.00	V
2747.40	28.29	8.65	38.31	47.65	46.28	74.00	V
3663.20	29.22	9.70	38.56	51.67	52.03	74.00	V
1831.60	25.42	7.23	38.22	48.93	43.36	74.00	H
2747.40	28.29	8.65	38.31	46.36	44.99	74.00	H
3663.20	29.22	9.70	38.56	50.98	51.34	74.00	H

Average Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1831.60	25.42	7.23	38.22	43.60	38.03	54.00	V
2747.40	28.29	8.65	38.31	39.95	38.58	54.00	V
3663.20	29.22	9.70	38.56	35.18	35.54	54.00	V
1831.60	25.42	7.23	38.22	39.47	33.90	54.00	H
2747.40	28.29	8.65	38.31	37.59	36.22	54.00	H
3663.20	29.22	9.70	38.56	36.50	36.86	54.00	H

Band Edge:

Quasi-Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
902.00	21.12	4.00	30.90	35.03	29.25	54.00	V
902.00	21.12	4.00	30.90	35.61	29.83	54.00	H

Test MOTHER UNIT in the frequency 921.4MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

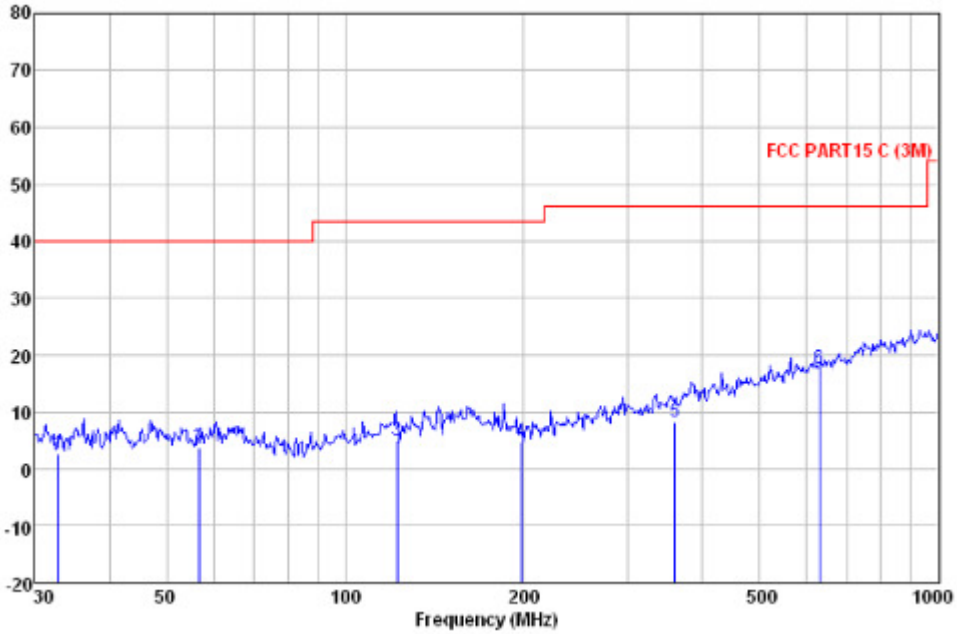
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
32.864	20.60	12.24	0.86	31.01	2.69	40.00	-37.31	QP
56.593	21.10	12.47	1.10	31.00	3.67	40.00	-36.33	QP
122.404	22.50	12.14	1.46	31.02	5.08	43.50	-38.42	QP
197.893	23.58	10.54	1.90	31.10	4.92	43.50	-38.58	QP
359.186	22.03	14.37	2.67	30.93	8.14	46.00	-37.86	QP
629.477	26.03	19.25	3.25	30.90	17.63	46.00	-28.37	QP

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

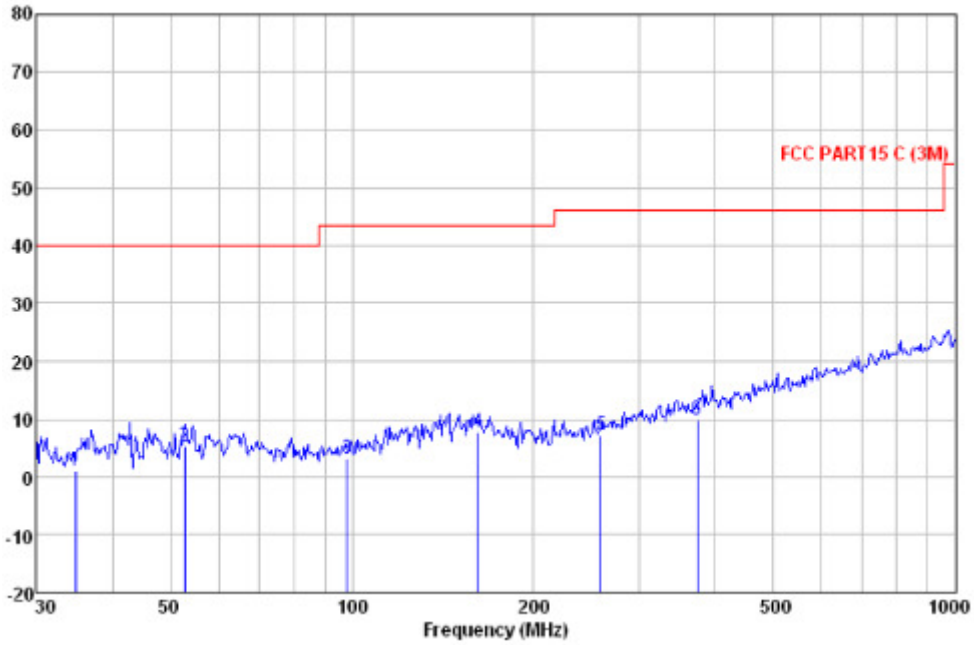
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
34.760	18.78	12.38	0.90	31.01	1.05	40.00	-38.95	QP
52.760	22.88	12.47	1.10	31.00	5.45	40.00	-34.55	QP
98.142	22.74	10.09	1.38	31.00	3.21	43.50	-40.29	QP
161.474	23.23	13.80	1.76	31.08	7.71	43.50	-35.79	QP
258.326	23.82	12.11	2.24	31.03	7.14	46.00	-38.86	QP
373.311	23.31	14.73	2.74	30.92	9.86	46.00	-36.14	QP

30 MHz~1 GHz Field Strength of Fundamental

Quasi-Peak Measurement

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
921.40	22.89	4.02	30.86	71.62	67.67	94.00	H
921.40	22.89	4.02	30.86	89.24	85.29	94.00	V

1~10 GHz Field Strength of Unwanted Emissions.

Peak & Average Measurement

Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1842.80	25.47	7.25	38.22	51.57	46.07	74.00	V
1842.80	28.33	8.69	38.32	45.88	44.58	74.00	V
2764.20	29.24	9.72	38.56	51.79	52.19	74.00	V
2764.20	25.47	7.25	38.22	51.26	45.76	74.00	H
3685.60	28.33	8.69	38.32	47.78	46.48	74.00	H
3685.60	29.24	9.72	38.56	49.32	49.72	74.00	H

Average Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1842.80	25.47	7.25	38.22	41.80	36.30	54.00	V
1842.80	28.33	8.69	38.32	37.73	36.43	54.00	V
2764.20	29.24	9.72	38.56	37.76	38.16	54.00	V
2764.20	25.47	7.25	38.22	42.50	37.00	54.00	H
3685.60	28.33	8.69	38.32	39.81	38.51	54.00	H
3685.60	29.24	9.72	38.56	39.91	40.31	54.00	H

Test MOTHER UNIT in the frequency 927MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

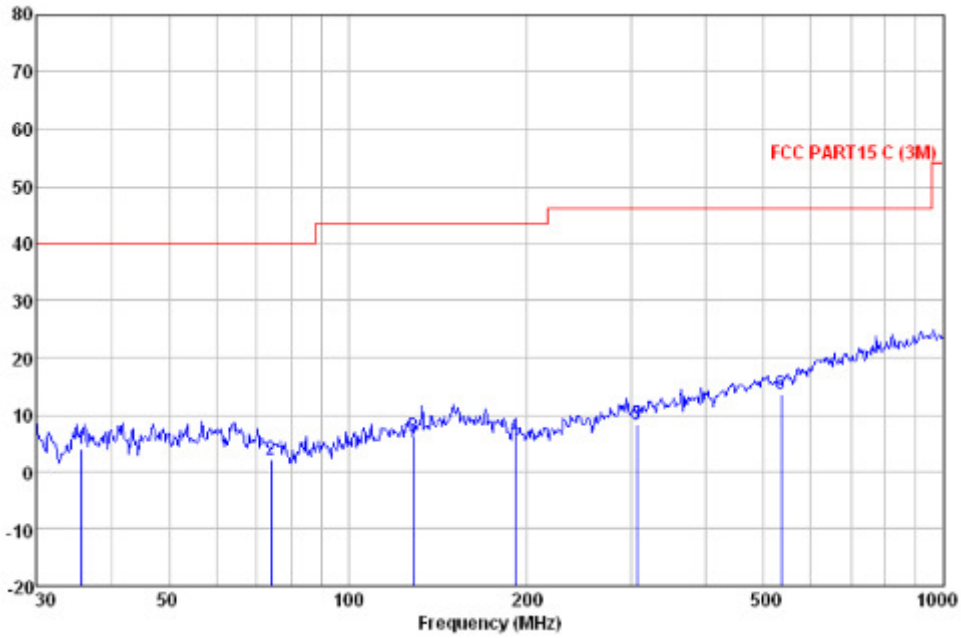
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
35.749	21.60	12.43	0.92	31.01	3.94	40.00	-36.06	QP
74.135	21.74	10.04	1.25	31.00	2.03	40.00	-37.97	QP
129.015	23.06	12.58	1.49	31.03	6.10	43.50	-37.40	QP
191.074	24.37	11.05	1.88	31.10	6.20	43.50	-37.30	QP
305.680	23.43	13.31	2.41	30.99	8.16	46.00	-37.84	QP
533.832	23.84	17.60	3.12	30.97	13.59	46.00	-32.41	QP

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

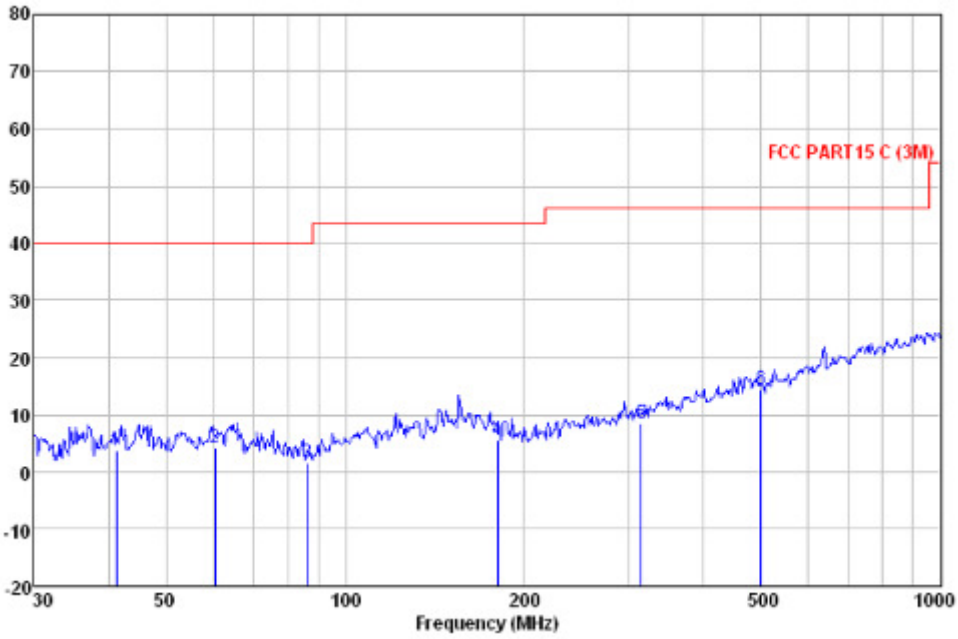
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
41.277	20.95	12.72	1.01	31.01	3.67	40.00	-36.33	QP
60.492	21.48	12.64	1.10	31.00	4.22	40.00	-35.78	QP
86.503	22.49	8.84	1.30	31.00	1.63	40.00	-38.37	QP
180.017	22.40	12.35	1.85	31.09	5.51	43.50	-37.99	QP
314.377	23.42	13.55	2.43	30.99	8.41	46.00	-37.59	QP
499.425	25.31	17.05	3.10	31.00	14.46	46.00	-31.54	QP

30 MHz~1 GHz Field Strength of Fundamental

Quasi-Peak Measurement

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
927.00	23.02	4.03	30.86	80.31	76.45	94.00	H
927.00	23.02	4.03	30.86	91.91	88.10	94.00	V

1~10 GHz Field Strength of Unwanted Emissions.

Peak & Average Measurement

Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1854.00	25.55	7.25	38.22	49.81	44.39	74.00	V
1854.00	28.38	8.72	38.32	45.53	44.31	74.00	V
2781.00	29.26	9.75	38.57	51.75	52.19	74.00	V
2781.00	25.55	7.25	38.22	51.48	46.06	74.00	H
3708.00	28.38	8.72	38.32	47.40	46.18	74.00	H
3708.00	29.26	9.75	38.57	49.28	49.72	74.00	H

Average Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1854.00	25.55	7.25	38.22	39.77	34.35	54.00	V
1854.00	28.38	8.72	38.32	35.97	34.75	54.00	V
2781.00	29.26	9.75	38.57	38.31	38.75	54.00	V
2781.00	25.55	7.25	38.22	43.13	37.71	54.00	H
3708.00	28.38	8.72	38.32	40.25	39.03	54.00	H
3708.00	29.26	9.75	38.57	36.90	37.34	54.00	H

Band Edge:

Quasi-Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
928.00	23.02	4.04	30.84	34.82	29.30	54.00	V
928.00	23.02	4.04	30.84	34.87	29.35	54.00	H

Test BABY UNIT in the frequency 915.8MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

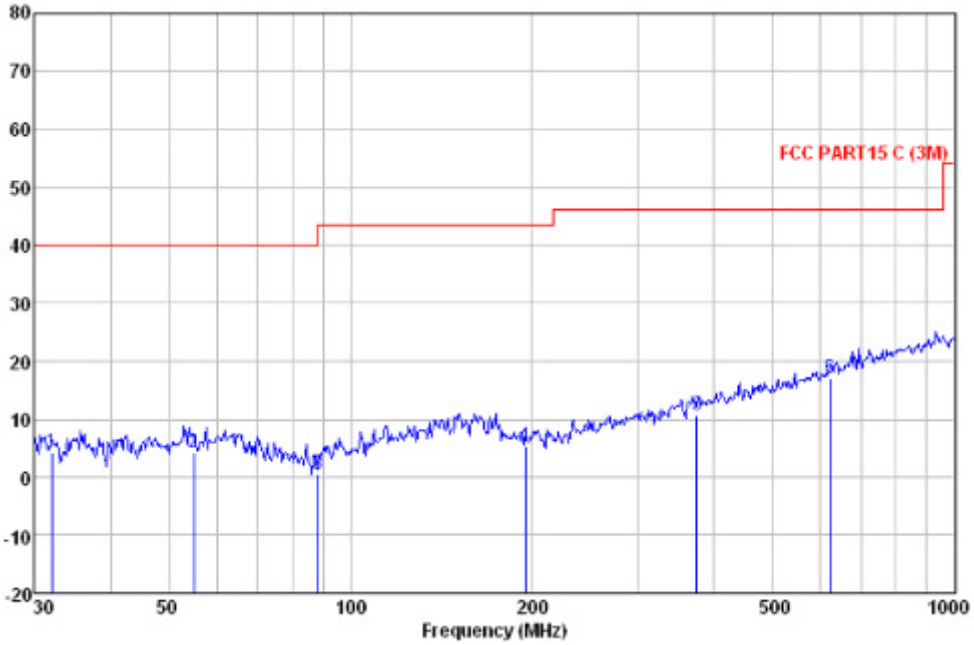
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
32.067	22.26	12.22	0.84	31.02	4.30	40.00	-35.70	QP
55.027	21.86	12.40	1.10	31.00	4.36	40.00	-35.64	QP
88.342	21.08	9.11	1.30	31.00	0.49	43.50	-43.01	QP
194.453	23.82	10.81	1.89	31.10	5.42	43.50	-38.08	QP
374.623	24.20	14.77	2.74	30.92	10.79	46.00	-35.21	QP
622.890	25.41	19.21	3.24	30.90	16.96	46.00	-29.04	QP

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

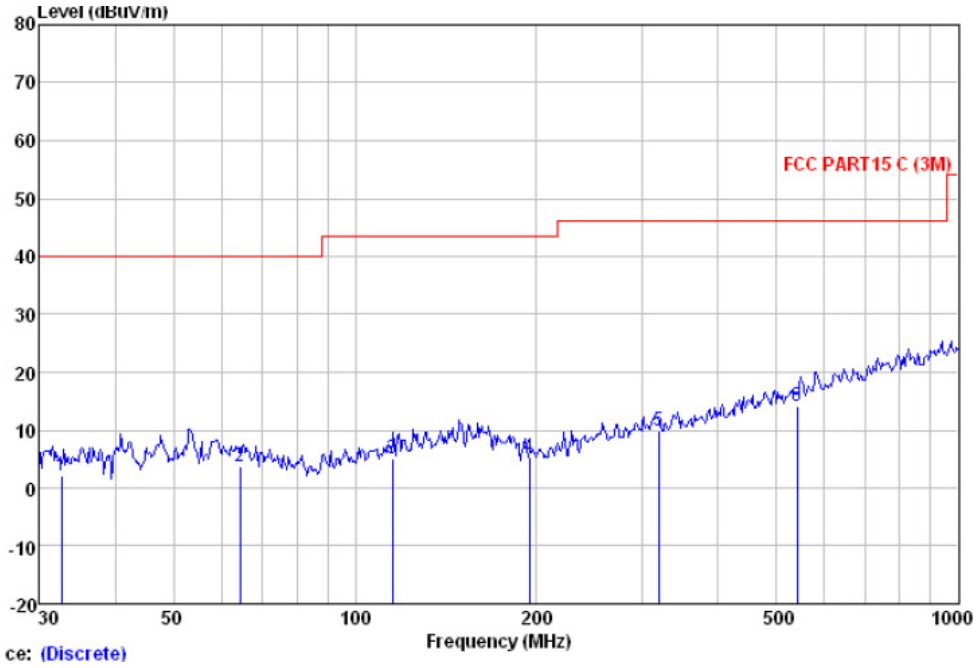
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
32.634	20.06	12.23	0.86	31.02	2.13	40.00	-37.87	QP
64.433	21.27	12.37	1.14	31.00	3.78	40.00	-36.22	QP
115.321	23.04	11.62	1.44	31.01	5.09	43.50	-38.41	QP
194.453	23.61	10.81	1.89	31.10	5.21	43.50	-38.29	QP
318.817	24.71	13.63	2.44	30.98	9.80	46.00	-36.20	QP
541.373	24.34	17.72	3.13	30.96	14.23	46.00	-31.77	QP

30 MHz~1 GHz Field Strength of Fundamental

Quasi-Peak Measurement

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
915.80	22.83	4.02	30.88	74.04	70.01	94.00	H
915.80	22.83	4.02	30.88	91.00	86.97	94.00	V

1~10 GHz Field Strength of Unwanted Emissions.

Peak & Average Measurement

Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1831.60	25.42	7.23	38.22	51.30	45.73	74.00	V
2747.40	28.29	8.65	38.31	50.31	48.94	74.00	V
3663.20	29.22	9.70	38.56	48.22	48.58	74.00	V
1831.60	25.42	7.23	38.22	49.02	43.45	74.00	H
2747.40	28.29	8.65	38.31	48.61	47.24	74.00	H
3663.20	29.22	9.70	38.56	51.94	52.30	74.00	H

Average Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1831.60	25.42	7.23	38.22	38.64	33.07	54.00	V
2747.40	28.29	8.65	38.31	36.18	34.81	54.00	V
3663.20	29.22	9.70	38.56	37.90	38.26	54.00	V
1831.60	25.42	7.23	38.22	36.66	31.09	54.00	H
2747.40	28.29	8.65	38.31	35.48	34.11	54.00	H
3663.20	29.22	9.70	38.56	40.63	40.99	54.00	H

Band Edge:

Quasi-Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
902.00	21.12	4.00	30.90	35.86	30.08	54.00	V
902.00	21.12	4.00	30.90	35.38	29.60	54.00	H

Test BABY UNIT in the frequency 921.4MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

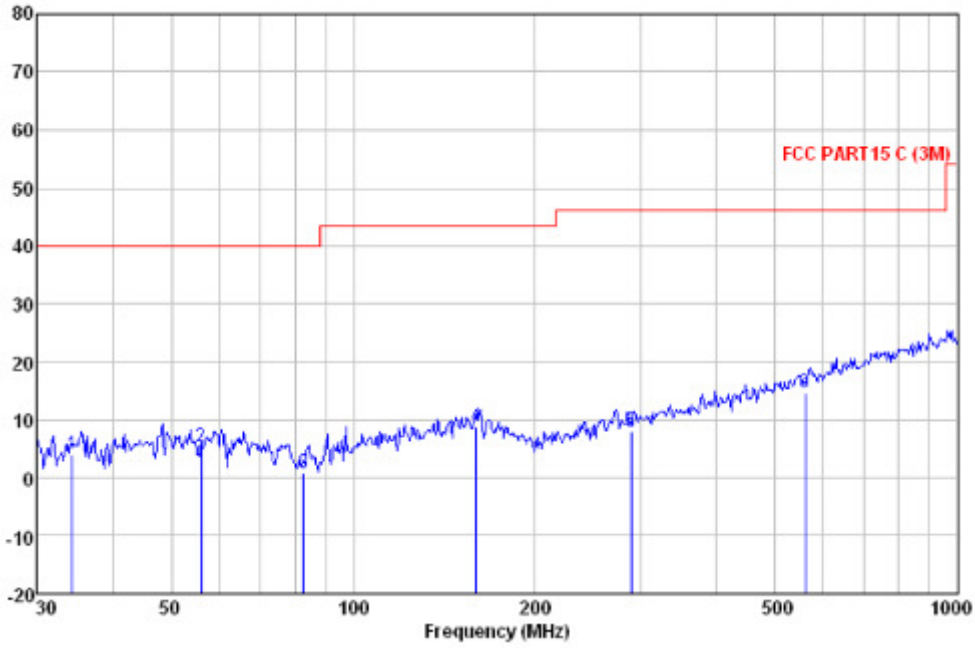
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
34.276	21.73	12.36	0.88	31.01	3.96	40.00	-36.04	QP
56.001	22.90	12.44	1.10	31.00	5.44	40.00	-34.56	QP
82.648	21.71	8.72	1.30	31.00	0.73	40.00	-39.27	QP
159.784	24.34	13.88	1.75	31.08	8.89	43.50	-34.61	QP
287.990	23.64	12.97	2.37	31.01	7.97	46.00	-38.03	QP
560.693	24.21	18.17	3.17	30.93	14.62	46.00	-31.38	QP

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

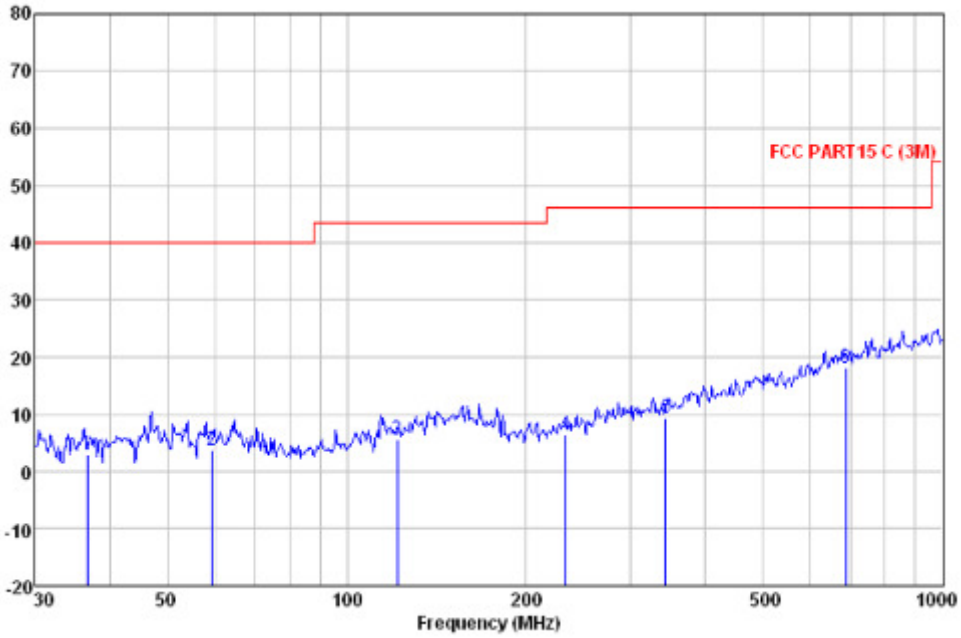
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
36.637	20.43	12.47	0.94	31.01	2.83	40.00	-37.17	QP
59.441	20.89	12.65	1.10	31.00	3.64	40.00	-36.36	QP
121.549	23.11	12.11	1.46	31.02	5.66	43.50	-37.84	QP
232.532	24.10	11.41	2.01	31.07	6.45	46.00	-39.55	QP
343.180	23.74	14.13	2.54	30.95	9.46	46.00	-36.54	QP
687.151	25.54	19.98	3.48	30.90	18.10	46.00	-27.90	QP

30 MHz~1 GHz Field Strength of Fundamental

Quasi-Peak Measurement

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
921.40	22.89	4.02	30.86	76.29	72.34	94.00	H
921.40	22.89	4.02	30.86	89.58	85.63	94.00	V

1~10 GHz Field Strength of Unwanted Emissions.

Peak & Average Measurement

Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1842.80	25.47	7.25	38.22	50.61	45.11	74.00	V
1842.80	28.33	8.69	38.32	48.22	46.92	74.00	V
2764.20	29.24	9.72	38.56	49.63	50.03	74.00	V
2764.20	25.47	7.25	38.22	48.15	42.65	74.00	H
3685.60	28.33	8.69	38.32	52.39	51.09	74.00	H
3685.60	29.24	9.72	38.56	46.39	46.79	74.00	H

Average Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1842.80	25.47	7.25	38.22	36.09	30.59	54.00	V
1842.80	28.33	8.69	38.32	32.99	31.69	54.00	V
2764.20	29.24	9.72	38.56	36.48	36.88	54.00	V
2764.20	25.47	7.25	38.22	32.48	26.98	54.00	H
3685.60	28.33	8.69	38.32	34.15	32.85	54.00	H
3685.60	29.24	9.72	38.56	39.76	40.16	54.00	H

Test BABY UNIT in the frequency 927MHz

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

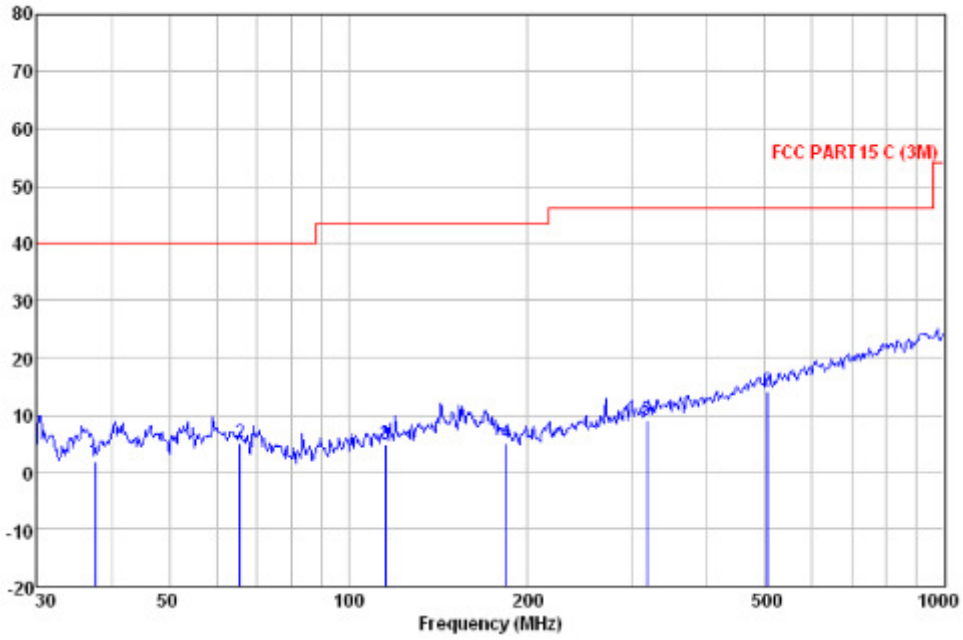
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
37.548	19.42	12.51	0.96	31.01	1.88	40.00	-38.12	QP
65.803	22.76	12.13	1.16	31.00	5.05	40.00	-34.95	QP
115.321	22.62	11.62	1.44	31.01	4.67	43.50	-38.83	QP
183.844	22.45	11.91	1.86	31.09	5.13	43.50	-38.37	QP
316.589	23.99	13.58	2.44	30.98	9.03	46.00	-36.97	QP
504.706	24.83	17.12	3.10	31.00	14.05	46.00	-31.95	QP

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

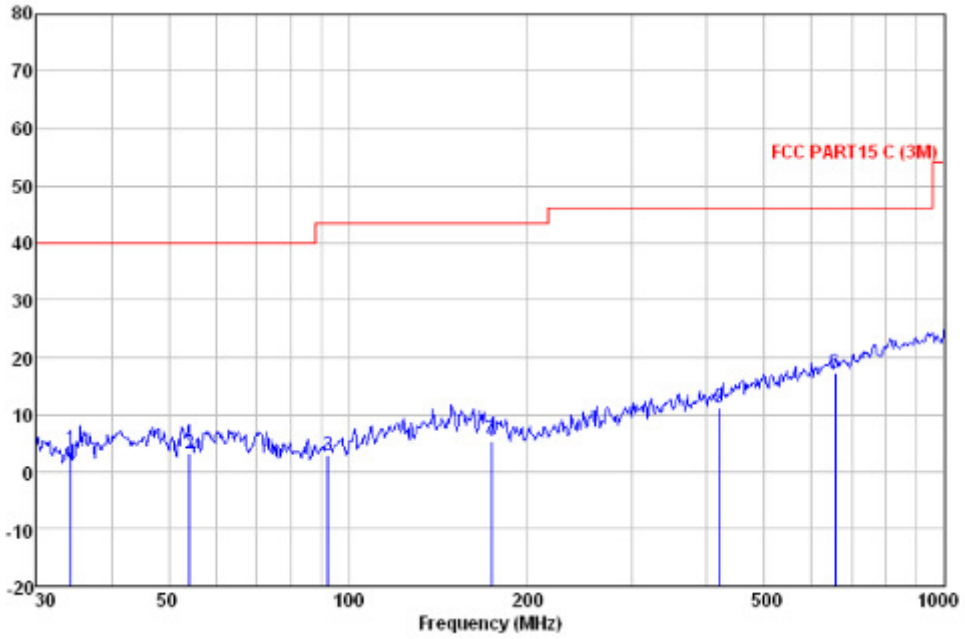
The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30 MHz~1 GHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
34.276	21.69	12.36	0.88	31.01	3.92	40.00	-36.08	QP
54.261	20.79	12.42	1.10	31.00	3.31	40.00	-36.69	QP
92.462	23.15	9.52	1.32	31.00	2.99	43.50	-40.51	QP
173.814	21.76	12.96	1.82	31.09	5.45	43.50	-38.05	QP
420.580	23.47	15.70	2.84	30.92	11.09	46.00	-34.91	QP
656.530	25.30	19.64	3.39	30.90	17.43	46.00	-28.57	QP

30 MHz~1 GHz Field Strength of Fundamental

Quasi-Peak Measurement

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
927.00	23.02	4.03	30.86	78.05	74.24	94.00	H
927.00	23.02	4.03	30.86	88.59	84.78	94.00	V

1~10 GHz Field Strength of Unwanted Emissions.

Peak & Average Measurement

Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1854.00	25.55	7.25	38.22	51.42	46.00	74.00	V
1854.00	28.38	8.72	38.32	50.24	49.02	74.00	V
2781.00	29.26	9.75	38.57	48.91	49.35	74.00	V
2781.00	25.55	7.25	38.22	47.23	41.81	74.00	H
3708.00	28.38	8.72	38.32	48.36	47.14	74.00	H
3708.00	29.26	9.75	38.57	48.79	49.23	74.00	H

Average Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
1854.00	25.55	7.25	38.22	36.48	31.06	54.00	V
1854.00	28.38	8.72	38.32	36.63	35.41	54.00	V
2781.00	29.26	9.75	38.57	31.23	31.67	54.00	V
2781.00	25.55	7.25	38.22	34.55	29.13	54.00	H
3708.00	28.38	8.72	38.32	37.00	35.78	54.00	H
3708.00	29.26	9.75	38.57	39.84	40.28	54.00	H

Band Edge:

Quasi-Peak Measurement:

Frequency (MHz)	Antenna factors (dB/m)	Cable loss (dB)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Antenna polarization
928.00	23.02	4.04	30.84	34.26	28.74	54.00	V
928.00	23.02	4.04	30.84	34.88	29.36	54.00	H

Remark:

1). The field strength is calculated by adding the Antenna Factor. Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Loss –Preamplifier Factor.

2). As shown in Section, for frequencies above 1000 MHz. the above field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

3). The test only perform the EUT in transmitting status since the test frequencies were over 1GHz only required transmitting status.

4). During the test of Field Strength of Unwanted Emissions, the fundamental emission has been filtered by notch filter. The band of the notch filter is from 915MHz to 928MHz.

Test result: The unit does meet the FCC requirements.

7.4 Occupied Bandwidth

Test Requirement: FCC Part 15 C section 15.249

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

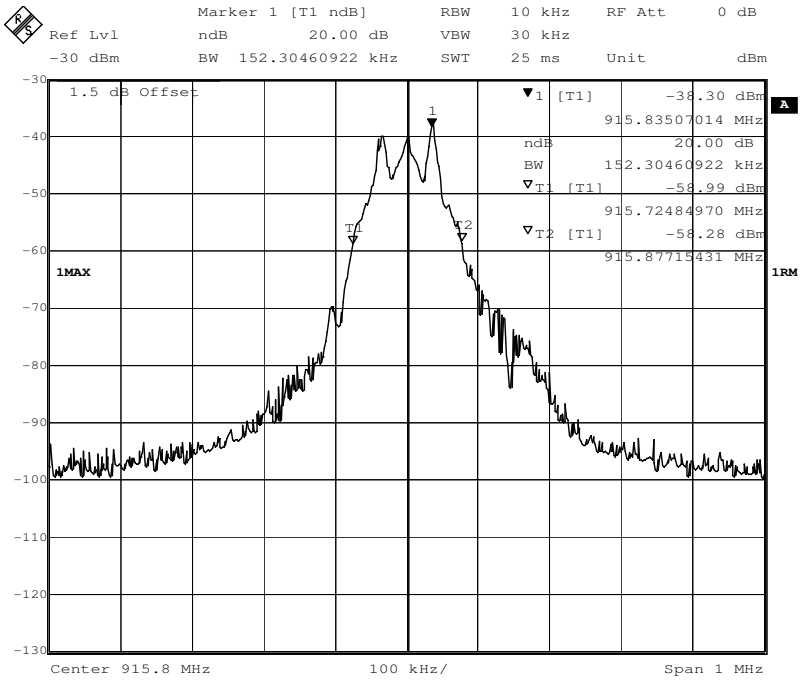
Test Method: ANSI C63.10: Clause 6.9.1

Operation within the band 902 MHz to 928 MHz

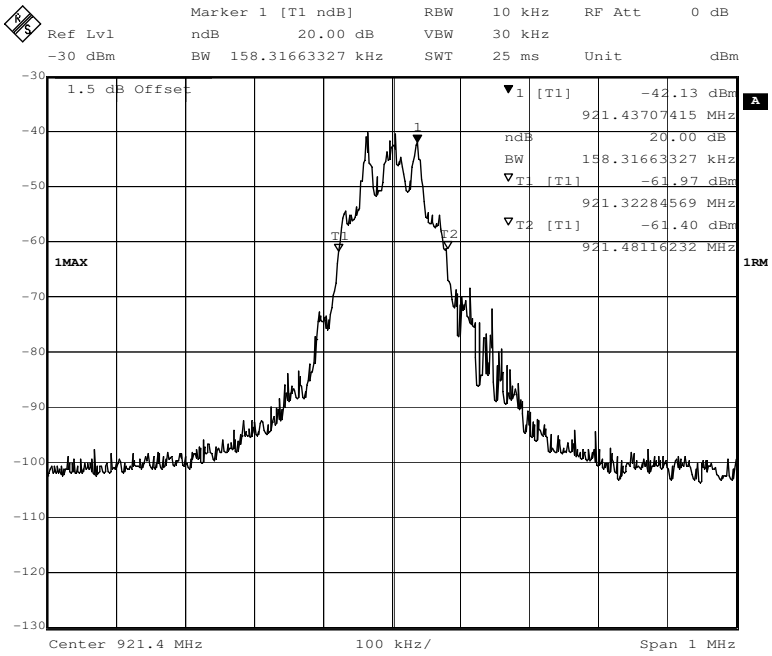
Method of measurement: A small sample of the transmitter output was fed into the Spectrum Analyzer and the attached plot was taken.

Plots of the MOTHER UNIT

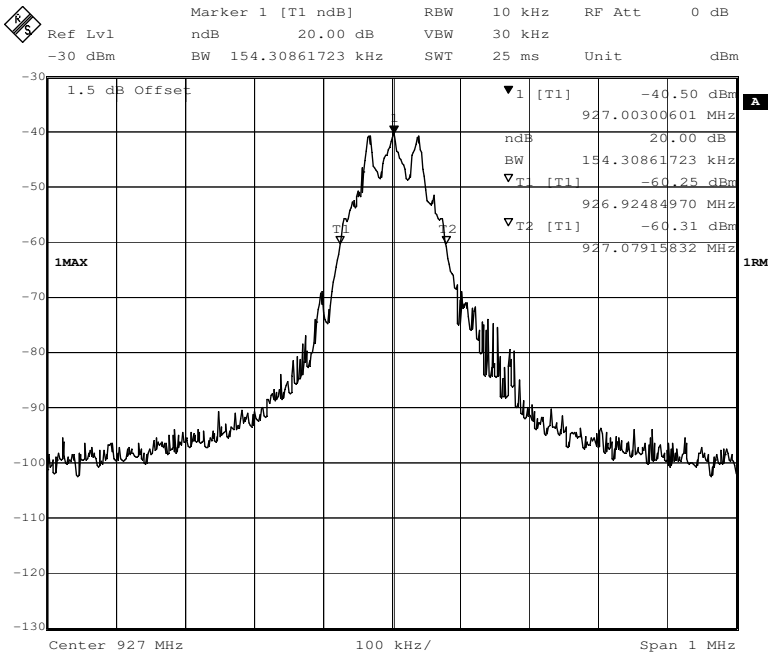
Test in the frequency 915.8MHz (20 dB bandwidth)



Test in the frequency 921.4MHz (20 dB bandwidth)

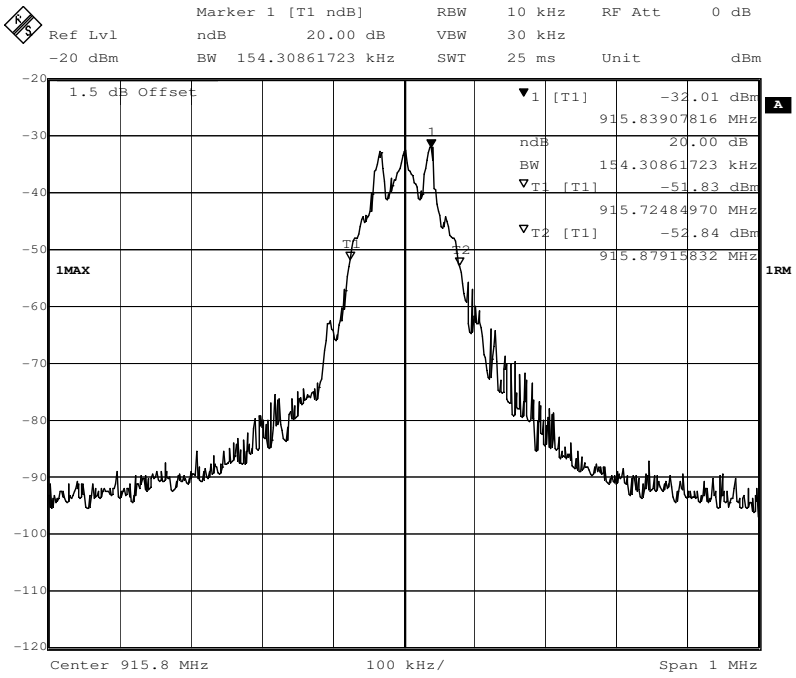


Test in the frequency 927MHz (20 dB bandwidth)

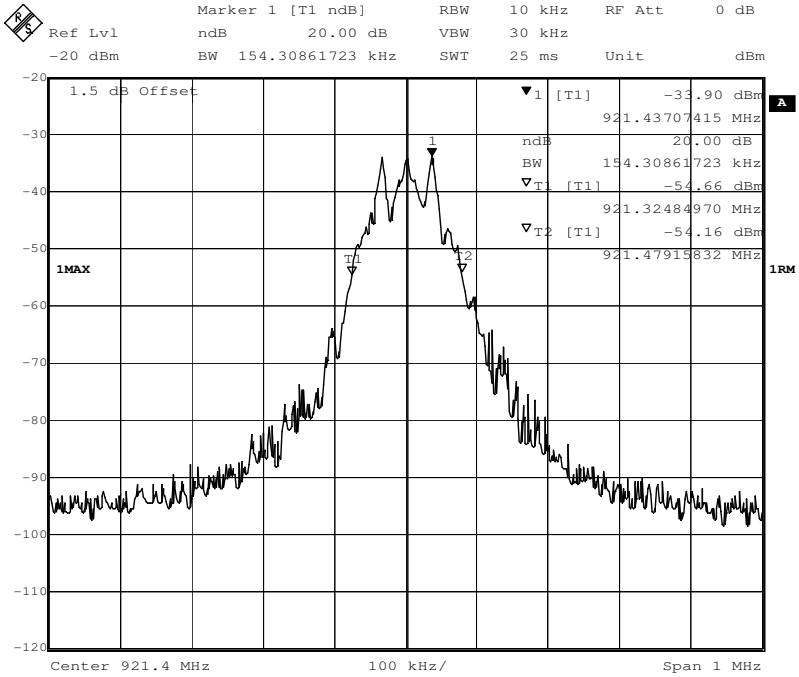


Plots of the BABY UNIT

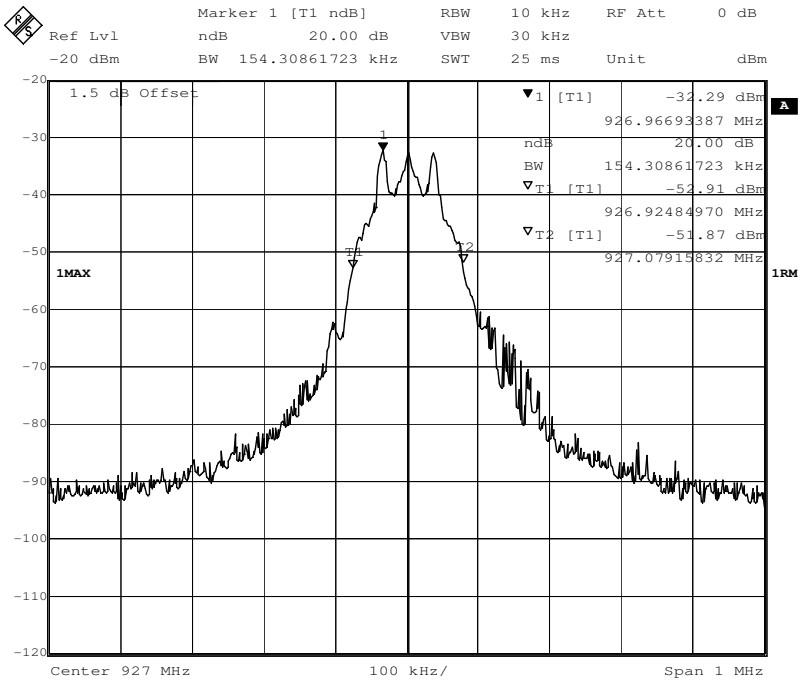
Test in the frequency 915.8MHz (20 dB bandwidth)



Test in the frequency 921.4MHz (20 dB bandwidth)



Test in the frequency 927MHz (20 dB bandwidth)



7.5 Conducted Emissions at Mains Terminals 150 kHz to 30 MHz

Test Requirement: FCC Part 15 C section 15.207

Test Method: ANSI C63.10: Clause 6.2

Frequency Range: 150 kHz to 30 MHz

Detector: Peak for pre-scan (9 kHz Resolution Bandwidth)

Test Limit

Limits for conducted disturbance at the mains ports of class B

Frequency Range (MHz)	Class B Limit dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
NOTE 1 The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz.		

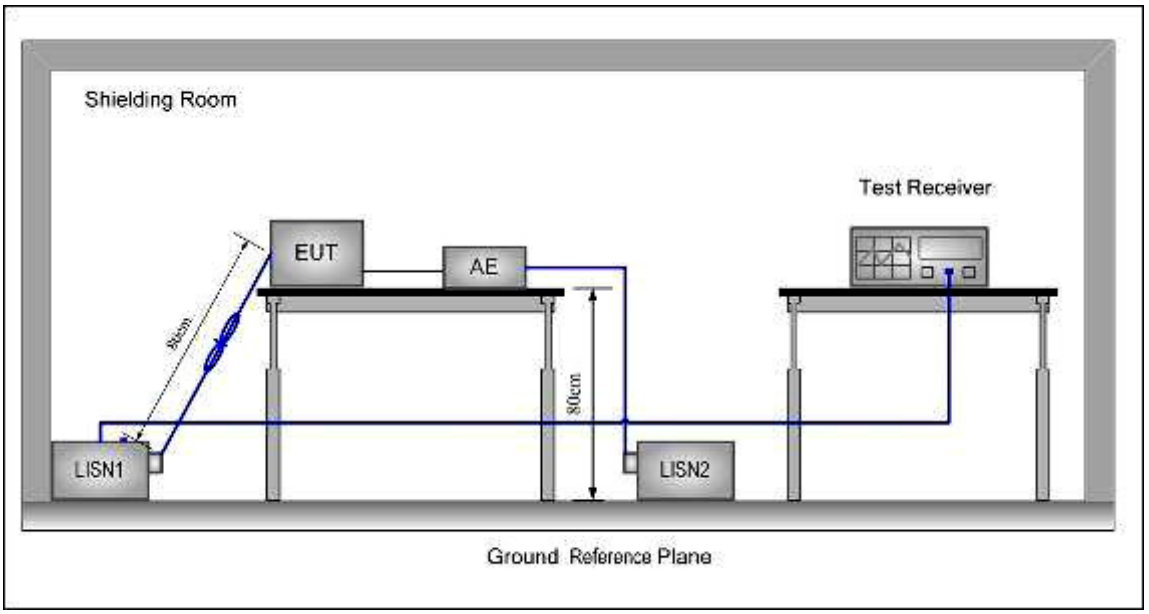
EUT Operation:

Enter test mode for the product, pre-test in Channel lowest (915.8MHz), Channel middle (921.4MHz) and Channel highest (927.0MHz), keep in continuously receiving status. And find the Channel highest (927.0MHz) as the worse case.

For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Test Configuration:



Test procedure:

1. The mains terminal disturbance voltage test was conducted in a shielded room.

2. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.

4. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0,4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0,8 m from the LISN 2.

Measurement Data for MOTHER UNIT

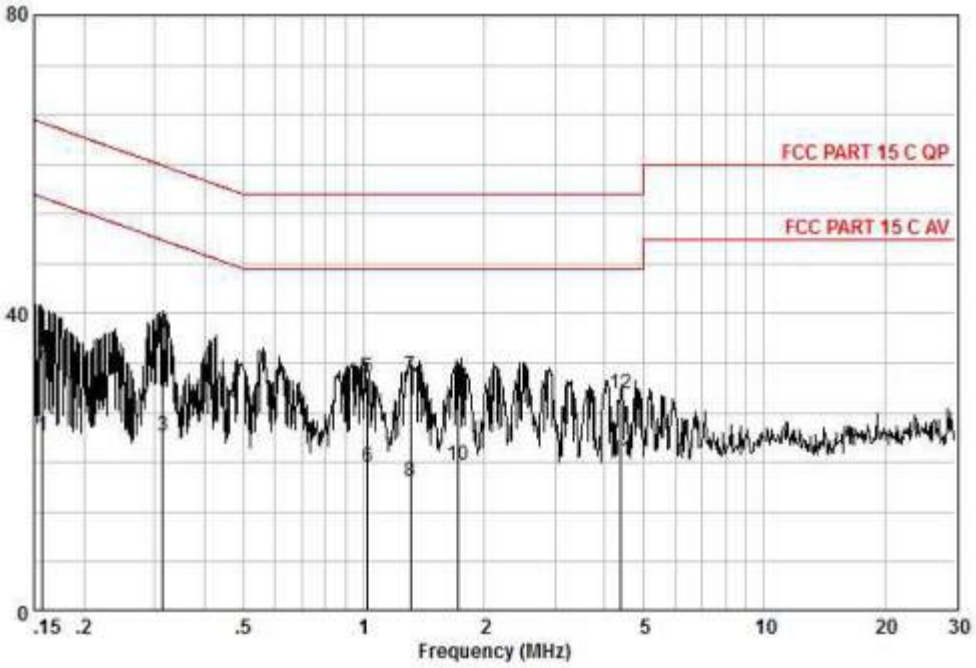
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected. For EUT the communicating was worst case mode.

The following Quasi-Peak and Average measurements were performed on the EUT:

Neutral Line

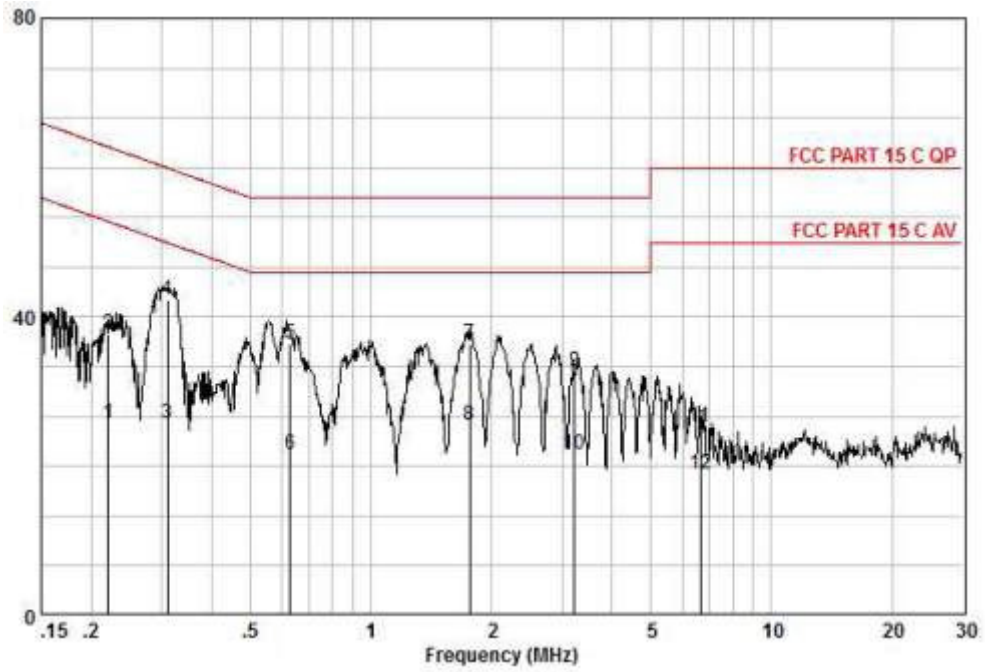
Level(dB μ V)



Measure data:

Freq	Read Level	Cable Loss	LISN Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0,157	13,77	0,08	9,66	23,51	55,60	-32,10	AVERAGE
0,157	25,42	0,08	9,66	35,16	65,60	-30,45	QP
0,315	13,89	0,09	9,66	23,64	49,84	-26,20	AVERAGE
0,315	27,60	0,09	9,66	37,35	59,84	-22,49	QP
1,021	21,70	0,05	9,68	31,43	56,00	-24,57	QP
1,021	9,74	0,05	9,68	19,47	46,00	-26,53	AVERAGE
1,310	21,82	0,05	9,68	31,55	56,00	-24,45	QP
1,310	7,74	0,05	9,68	17,47	46,00	-28,53	AVERAGE
1,725	20,70	0,05	9,68	30,43	56,00	-25,57	QP
1,725	9,96	0,05	9,68	19,69	46,00	-26,31	AVERAGE
4,384	10,37	0,17	9,71	20,25	46,00	-25,75	AVERAGE
4,384	19,40	0,17	9,71	29,28	56,00	-26,72	QP

Live Line
Level(dBμV)



Measure result:

Freq	Read Level	Cable Loss	LISN Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0,221	15,96	0,11	9,60	25,67	52,79	-27,11	AVERAGE
0,221	27,96	0,11	9,60	37,67	62,79	-25,11	QP
0,310	15,82	0,10	9,70	25,62	49,97	-24,36	AVERAGE
0,310	32,48	0,10	9,70	42,28	59,97	-17,70	QP
0,627	26,54	0,07	9,70	36,31	56,00	-19,69	QP
0,627	11,82	0,07	9,70	21,59	46,00	-24,41	AVERAGE
1,762	26,58	0,05	9,70	36,33	56,00	-19,67	QP
1,762	15,74	0,05	9,70	25,49	46,00	-20,51	AVERAGE
3,224	22,76	0,15	9,70	32,61	56,00	-23,39	QP
3,224	11,82	0,15	9,70	21,67	46,00	-24,33	AVERAGE
6,662	15,34	0,17	9,79	25,29	60,00	-34,71	QP
6,662	8,96	0,17	9,79	18,91	50,00	-31,09	AVERAGE

Measurement Data for BABY UNIT

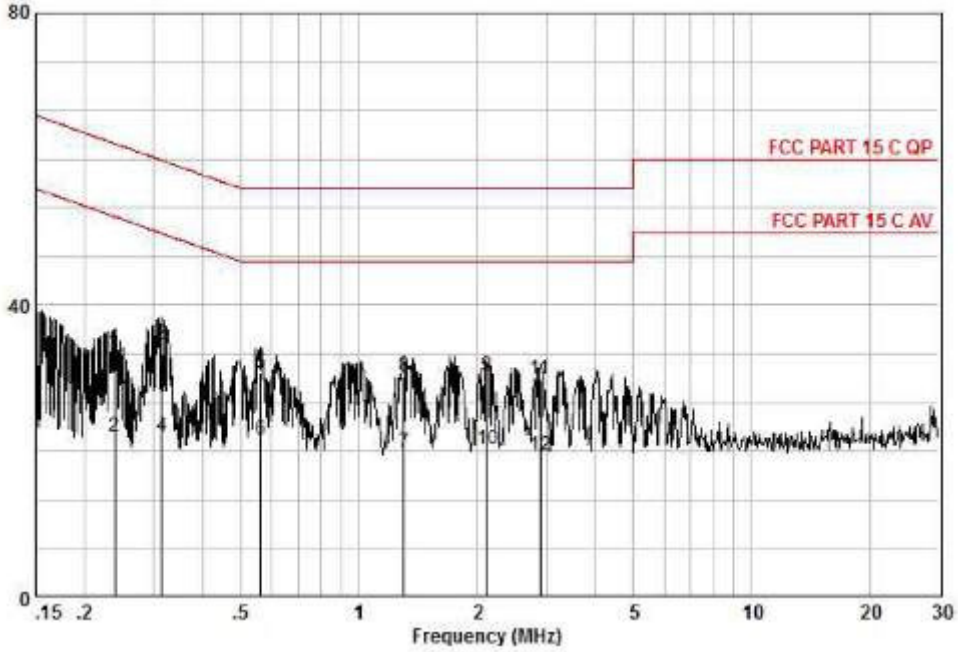
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected. For EUT the communicating was worst case mode.

The following Quasi-Peak and Average measurements were performed on the EUT:

Neutral Line

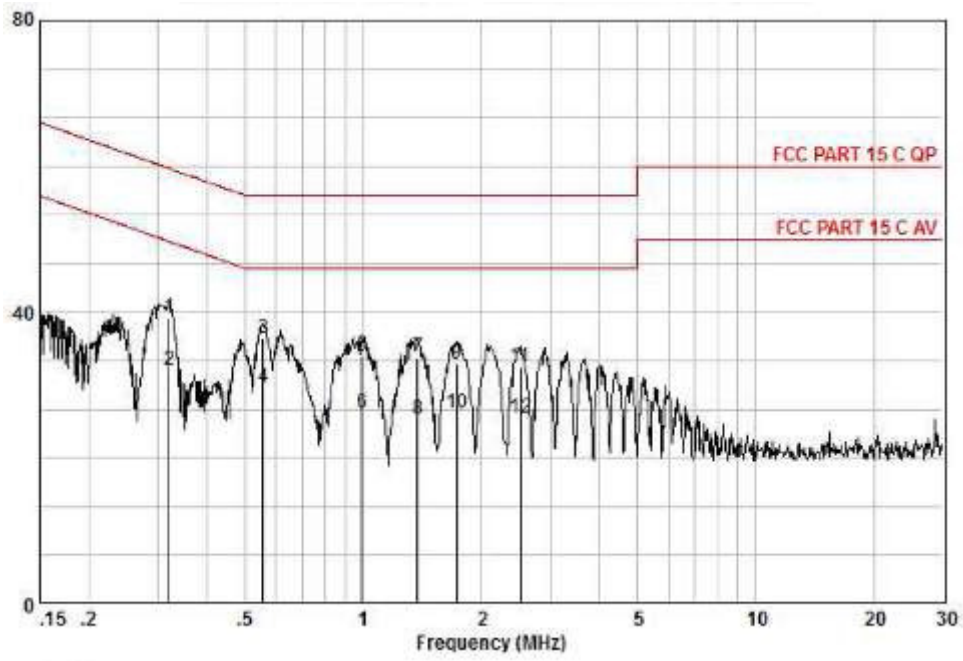
Level(dB μ V)



Measure data:

Freq	Read Level	Cable Loss	LISN Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.239	23.88	0.11	9.66	33.65	62.13	-28.48	QP
0.239	12.28	0.11	9.66	22.05	52.13	-30.08	AVERAGE
0.315	24.84	0.09	9.66	34.59	59.84	-25.25	QP
0.315	12.37	0.09	9.66	22.12	49.84	-27.72	AVERAGE
0.561	21.10	0.07	9.67	30.84	56.00	-25.16	QP
0.561	11.78	0.07	9.67	21.52	46.00	-24.48	AVERAGE
1.303	10.07	0.05	9.68	19.80	46.00	-26.20	AVERAGE
1.303	20.54	0.05	9.68	30.27	56.00	-25.73	QP
2.121	20.60	0.06	9.69	30.35	56.00	-25.65	QP
2.121	10.54	0.06	9.69	20.29	46.00	-25.71	AVERAGE
2.900	20.06	0.14	9.70	29.90	56.00	-26.10	QP
2.900	9.57	0.14	9.70	19.41	46.00	-26.59	AVERAGE

Live Line
Level(dBµV)



Measure result:

Freq	Read Level	Cable Loss	LISN Factor	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.320	29.34	0.09	9.70	39.13	59.71	-20.58	QP
0.320	22.15	0.09	9.70	31.94	49.71	-17.77	AVERAGE
0.555	26.54	0.07	9.70	36.31	56.00	-19.69	QP
0.555	19.97	0.07	9.70	29.74	46.00	-16.26	AVERAGE
0.994	24.34	0.05	9.70	34.09	56.00	-21.91	QP
0.994	16.39	0.05	9.70	26.14	46.00	-19.86	AVERAGE
1.374	24.12	0.05	9.70	33.87	56.00	-22.13	QP
1.374	15.50	0.05	9.70	25.25	46.00	-20.75	AVERAGE
1.734	23.26	0.05	9.70	33.01	56.00	-22.99	QP
1.734	16.48	0.05	9.70	26.23	46.00	-19.77	AVERAGE
2.513	22.60	0.11	9.70	32.41	56.00	-23.59	QP
2.513	15.64	0.11	9.70	25.45	46.00	-20.55	AVERAGE

--End of Report--